

## MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/21/2002

PAGE  
MSDS NO. PM4.1

## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME  
W.M. BARR & COMPANY, INC.ADDRESS  
2105 Channel Ave.  
Memphis, TN 38113 USAEMERGENCY TELEPHONE #1  
901-775-0100EMERGENCY CONTACT  
W.M. Barr Technical ServicesEMERGENCY INFORMATION  
See Section 5 for additional Emergency InformationINVENTORY ITEM #  
CHEMICAL FORMULA  
PM4.1PRODUCT NAME  
PRO-GLOW ALUMINUM POLISHREVISED BY  
W.M. Barr Technical ServicesREVISION DATE  
4/30/1999

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

## CARCINOGENICITY

SUBSTANCE DESCRIPTION	PERCENT	CAS#	NTP	ACGIH	OSHA	IARC
ALUMINUM OXIDE	45- 50	1344-28-1	N	N	N	N
OLEIC DIETHANOLAMIDE	1- 5	68155-20-4	N	N	N	N

## SECTION 3. REGULATORY INFORMATION

## EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY	U/M	TWA	STEL	CEIL	SKIN	PEL
ALUMINUM OXIDE	ACGIH	MG/M3	10.00	N/E	N/E	N	N/E
	OSHA	MG/M3	5.00	N/E	N/E	N	5.00
EXPOSURE LIMITS FOR NUISANCE PARTICULATES: ACGIH TWA 10 MG/M3, TOTAL DUST. OSHA TWA 5 MG/M3, RESPIRABLE FRACTION; OSHA TWA 15 MG/M3, TOTAL DUST.							
OLEIC DIETHANOLAMIDE	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E

## ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

## CALIFORNIA (PROPOSITION #65)

Ingredients in this product are not listed on California's Prop 65 list: "Chemicals Known to the State to Cause Cancer or Reproductive Toxicity."

## SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

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SUBSTANCE DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
DIETHANOLAMINE	1	111-42-2

**CLEAN AIR ACT**

This formula contains no known ozone depleting chemicals.

**HAZARD COMMUNICATION STANDARD**

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

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The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.  
-----SECTION 4. HAZARDS IDENTIFICATION  
-----**INHALATION ACUTE EXPOSURE EFFECTS**

None known.

**SKIN CONTACT ACUTE EXPOSURE EFFECTS**

None known.

**EYE CONTACT ACUTE EXPOSURE EFFECTS**

None known.

**INGESTION ACUTE EXPOSURE EFFECTS**

Harmful if swallowed. May cause nausea, vomiting, gastrointestinal irritation, and diarrhea.

**CHRONIC EXPOSURE EFFECTS**

Prolonged or repeated contact may cause dermatitis.

**MEDICAL CONDITIONS AGGRAVATED**

Diseases of the skin.

**PRIMARY ROUTE OF EXPOSURE**Inhalation, ingestion, and dermal.  
-----SECTION 5. FIRST AID MEASURES  
-----**INHALATION**

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

**SKIN CONTACT**

Wash with soap and water.

**EYE CONTACT**

Flush with large quantities of water for at least 15 minutes. If irritation from contact persists, get medical attention.

**INGESTION**

DO NOT induce vomiting. Call your poison control center, hospital emergency room, or physician immediately.

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## NOTE TO PHYSICIAN

This formula is registered with POISINDEX.  
Call your local poison control center for further information.

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SECTION 6. FIRE FIGHTING MEASURES  
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HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0
OTHER	NA	NA

## FLASH METHOD

N/A

## FLASH POINT

N/E F

N/E C N/A

## LOWER EXPLOSION LIMIT

N/E

## GENERAL COMMENTS

OSHA FLAMMABILITY: Not Applicable

## EXTINGUISHING METHOD

Use carbon dioxide, dry powder, or foam.

## FIRE FIGHTING PROCEDURES

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Stay away from heads of containers that have been exposed to intense heat or flame.

## FIRE AND EXPLOSION HAZARDS

All oily cloths should be spread to dry in an airy spot or destroyed at once. They are subject to spontaneous combustion, and under certain conditions, can cause fires.

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SECTION 7. ACCIDENTAL RELEASE MEASURES  
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## CLEAN-UP

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. SMALL SPILLS: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. LARGE SPILLS: dike far ahead of spill for later disposal.

For transportation related spills contact Chemtrec at 1-800-424-9300 for emergency assistance.

## WASTE DISPOSAL

Dispose in accordance with applicable local, state and federal regulations.

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SECTION 8. HANDLING AND STORAGE  
-----**STORAGE**

Protect from freezing. Avoid extreme high or low temperatures.

**HANDLING**Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.  
-----SECTION 9. TRANSPORT INFORMATION  
-----**TRANSPORTATION**For D.O.T. information, contact W.M. Barr Technical Services Department.  
-----SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION  
-----**VENTILATION PROTECTION**

Use in a well-ventilated area.

**RESPIRATORY PROTECTION**

Usually none required.

**SKIN PROTECTION**

Usually none required.

**EYE PROTECTION**

Usually none required.

**OTHER PROTECTION**Usually none required. Good hygiene practices include rinsing hands before eating, drinking, or smoking.  
-----SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES  
-----**VOLATILE %**.0  
by weight**BOILING POINT**

GT 500.00 F 260.00 C BOILING RANGE: 500 F - 600 F

**VAPOR DENSITY (Air = 1.0)**

Heavier than air

**EVAPORATION RATE**

Slower than ether

**BULK DENSITY**12.53  
lbs/gal at 75 F**pH FACTOR**

N/E

**PHOTOCHEMICALLY REACTIVE**

NO

**MAX V.O.C.**

0 grams per liter (excluding exempt solvents &amp; water)

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-----

## MAX VAPOR PRESSURE

(of the V.O.C.) 0mm Hg at 20 degrees C

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SECTION 12. STABILITY AND REACTIVITY  
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## INCOMPATIBILITIES

Incompatible with strong oxidizing agents.

## DECOMPOSITION

Decomposition may produce carbon monoxide and carbon dioxide.

## POLYMERIZATION

Will not occur.

## STABILITY

Stable.

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SECTION 13. ADDITIONAL INFORMATION  
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## IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

## LEGEND:

PPM = parts per million

MG/M3 = milligrams per cubic meter

N/E or NE = none established

GT = greater than

N/A or NA = not applicable

TCC = tag closed cup

TOC = tag open cup

PMCC = Pensky-Martens closed cup

IDLH = Immediately Dangerous to Life and Health

\*\*\*END OF MSDS\*\*\*